

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-15. (Cancelled).

16. (Original) A subsea pipeline power transmission system comprising a pipeline, an electrical power supply connected to the pipeline at a first location, and at least one connector provided on the pipeline at a second location for connection of a load to the pipeline to allow the load to receive electrical power from the power supply via the pipeline wherein the pipeline has a plurality of cathodic protection anodes, each of which is electrically connected via a respective impedance element to the pipeline.

17. (Original) A power transmission system according to claim 16 in which each impedance element is arranged to give a high impedance to time varying signals within at least one selected range of frequencies and a low impedance to signals outside the selected range.

18. (Original) A power transmission system according to claim 17 in which each impedance element is arranged so that the real part of the impedance is substantially zero, such that there is no significant attenuation of dc components of signals passing through the impedance means.

19. (Original) A power transmission system according to claim 17 in which the impedance element comprises an inductance element.

20. (Original) A power transmission system according to claim 17 in which the impedance element comprises a filter.

21. (Original) A method of subsea pipeline power transmission along a pipeline having a plurality of cathodic protection anodes comprising the steps of:
applying electrical power to the pipeline at a first location; and
electrically connecting a load to be supplied to the pipeline at a second location;
wherein each anode is electrically connected via a respective impedance element to the pipeline.

22. (Original) Apparatus for use in a subsea pipeline power transmission system comprising:

an anode arrangement comprising, a cathode protection anode arranged for mounting on a pipeline and an impedance element having one terminal connected to the anode and another terminal arranged for connection to said pipeline; and

an electrical power supply arranged for electrical connection to a pipeline.

23. (Original) An anode arrangement for use in a subsea pipeline power transmission system, the arrangement comprising, a cathode protection anode arranged for mounting on a pipeline and an impedance element having one terminal connected to the anode and another terminal arranged for connection to said pipeline.

24. (Original) An anode arrangement according to claim 23 including terminals allowing the connection of a load across the impedance element.

25. (Cancelled).